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WHAT IS CLAIMED IS:

- 1. A photosensitive resin composition of an aqueous emulsion type comprising:
- (A) an emulsion of a photosensitive water-insoluble polymer, the emulsion being obtained by reacting (i) an aqueous polymer emulsion which contains a water-insoluble polymer as its main component and which contains a polymer having a hydroxyl group with (ii) an N-alkylol(meth)acrylamide;
- (B) a compound having a photoreactive ethylenically unsaturated group; and
 - (C) a photopolymerization initiator.
- 2. A photosensitive resin composition according to claim 1 wherein the aqueous polymer emulsion (A) (i) contains a water-insoluble polymer and a protective colloid comprising a polymer having a hydroxyl group.
- 3. A photosensitive resin composition according to claim 1 further comprising (E) an epoxy compound having at least two epoxy groups per molecule.
- 4. A photosensitive resin composition according to claim 1 which contains (b) a compound having at least one carboxyl group per molecule and at least one photoreactive ethylenically unsaturated group per molecule as the ingredient (B).

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- 5. A photosensitive resin composition according to claim 1 further comprising (D) a binder resin having a carboxyl group.
- 6. A photosensitive resin composition according to claim 5 wherein the binder resin having a carboxyl group as the ingredient (D) has a photopolymerizable unsaturated group.
- 7. A photosensitive resin composition according to any of claims 1-6 which is used for manufacturing a screen printing stencil.
- 8. A photosensitive resin composition according to any of claims 1-6 which is used as a photoresist ink for manufacturing a printed wiring board.
- 9. A photosensitive resin composition according to claim 8 which is used as a photoetching resist ink, a plating resist ink or a solder resist ink.
 - 10. A method for producing a screen printing stencil comprising:
- (I) a step of providing a photosensitive resin composition recited in any according to claims 1-6;
 - (II) a step of forming a film comprising the photosensitive resin composition on a screen;
 - (III) a step of selectively exposing the film to form a cured film on the

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screen; and

- (VI) a step of washing away to remove an non-exposed portion of the film.
 - 11. A method for producing a screen printing stencil comprising:
- (I) a step of providing a photosensitive resin composition recited in any according to claims 1-6;
- (II) a step of forming a film of the photosensitive resin composition on a releasable film;
 - (III) a step of selectively exposing the film to form a cured film;
- (VI) a step of washing away to remove an non-exposed portion of the film; and
 - (V) a step of transferring the resulting cured film onto a screen.
- 12. A screen printing stencil produced by using the photosensitive resin composition recited in any according to claims 1-6.
- 13. A screen printing stencil according to claim 12 which is a thick screen printing stencil.
- 14. A method for producing a printed wiring board wherein the photosensitive resin composition recited in any according to claims 1.6 is used.

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- 15. A method for producing a printed wiring board according to claim 14 comprising:
- (I) a step of providing a substrate having a metallic layer formed on its surface;
- (II) a step of applying the photosensitive resin composition to the surface of the substrate and then drying it;
- (III) a step of selectively exposing a predetermined portion of the photosensitive resin composition which is applied to the substrate to form a cured film;
- (IV) a step of washing away to remove the non-exposed portion of the photosensitive resin composition;
- (V) a step of immersing the substrate in an etching solution to subject a part of the metallic layer to be etched; and
 - (VI) a step of removing the cured film.
- 16. A method for producing a printed wiring board according to claim 14 comprising:
- (I) a step of providing a substrate with a conductive circuit formed on its surface;
- 20 (II) a step of applying the photosensitive resin composition to the surface of the substrate and then drying it;
 - (III) a step of selectively exposing a predetermined portion of the photosensitive resin composition which is applied to the substrate to form a

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cured film; and

(IV) a step of washing away to remove the non-exposed portion of the photosensitive resin composition.

- 17. A method for producing a printed wiring board according to claim
 16 further comprising a step of heating the cured film to obtain a permanent
 protective coating.
 - 18. A printed wiring board with a cured film on its surface, the cured film being made from the photosensitive resin composition according to any one of claims 1-6.
 - 19. A printed wiring board according to claim 18 wherein the cured film is a permanent protective coating.